

ABSTRACT

5 A system for providing IP centric, multi-channel, telecommunication services such as television on demand, video on demand, karaoke on demand, Internet access, and telephone services, said system comprising: (1) a media content creator subsystem for converting multiple format incoming video signal streams corresponding to multiple program files into IP based packets ready for transmission over a broadband network, the
10 media content creator converting the incoming video signals into digital data and compressing the digital data based on multiple encoding standards into IP based packets; (2) a media streaming subsystem for storing the IP based packets, wherein the media streaming engine is capable of providing multiple streams of IP based packets for transmission based on user request, and wherein each stream of IP based packets
15 represents the converted and encoded content of one user requested program; and (3) a content management subsystem for user authentication, billing, digital rights management protection and protection, etc.